

ABSTRACT

The present invention provides a process and an apparatus for the preparation of a motor coil by which a longitudinally wound motor coil, so called, can be easily prepared. First, a molded product 10 comprising a column part 11, and a fin part 12 projected in the form of flat plate from an outer peripheral surface 11A, 11B, 11C, 11D of the column part to an outer side in a radial direction of the column part and helically continuing in an axis direction of the column part at predetermined intervals along the outer peripheral surface of column part is prepared. The column part 11 of the first molded product is punched out in an axis direction of the column part with retaining the fin part 12 to remove the column part, and the fin part 12 having helical shape left after the removal is coated with an insulating film. Then both sides of the fin part 12 in a direction F punching out the column part 11 are pressurized to deform the fin part 12 such that flat plate portions of the fin part 12 are superposed on one another.